

U.S. Environmental Protection Agency
Alternative Fuels Infrastructure
Workshop

Infrastructure Drivers: Vehicles and Fuels
of the Future

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California Energy Commission

- Established in 1975
- Power Plant siting
- Building & Appliance Efficiency Standards
- Assessments of Energy Supply & Demand
- *Alternative Fuels - Demonstration and Commercialization

CEC Alternative Fuels Experience

- 1978- First Experience with Alcohol Blends in Hondas
- 1980-81- VW Rabbits operating on 'neat' Alcohols
- 1981-83- 500 Ford escorts operating on Methanol (Infra)
- 1987- Ford, GM & Chrysler produce 5,000 FFVs (Infra)
- 1988- Fuel Retailers (7) strike Cooperative Agreements for up to 83 Methanol (M85) Retail Fueling Facilities
- 1990s- Demonstration of NGVs, FFVs, EVs, HDVs (Infra)
- 1990s- Clean/Safe School Bus Replacements (826 buses)
- 1998-99 -Infrastructure Solicitations 11 projects (C/LNG)

Clean Fuel Infrastructure Plan

- \$6 million in Governor's FY2000-01 Budget
- Plan Elements:
 - Clean Fuels Market Assessment
 - Workshops with Stakeholders
 - Goal Setting/ Incentives Development
 - Two Annual Solicitations
 - Targeted Solicitation- by Fuel or Market Sector
 - Broad-based Solicitation- For Public or Private Entities

Discussion: Air Quality AND Petroleum Displacement

- Incentives- Necessary; YES, Sufficient; ??
- Incentives Needed for Vehicles and Fueling
- Emission Reductions and Petroleum Displacement- HDVs and LDVs
- Fuel Utilization will require incentives for fueling facilities and fuel use
- Fuel Neutrality and Emissions Neutrality?